

REMARKS

Claims 1-14 and 16-22 were presented for examination and were rejected. The applicants respectfully request reconsideration in light of the amendments and the following comments.

Claims 1, 6-13, 16-18, and 20-22 have been amended. The subject matter of the amendment is taught in paragraphs [0013] and [0095]-[0097] and elsewhere in the Specification.

35 U.S.C. § 103 Rejection of Claims 1-14 and 16-22

Claim 1-14 and 16-22 were rejected under 35 U.S.C. § 103 as being unpatentable over R. Pimentel, U.S. Publication 2003/0072451 (hereinafter "Pimentel") in view of K. Lee, U.S. Patent 6,336,137 (hereinafter "Lee"). The applicants respectfully submit that the rejection is overcome.

Claim 1, as amended, recites:

1. A method comprising:

receiving a registration information from a client device at a server;

**in response to a request by an enterprise application,
transmitting the registration information to the enterprise
application, wherein:**

i. the enterprise application is separated by a firewall from the server, and

**ii. the enterprise application periodically requests
authentication information of client devices from the server;**

generating push content in a server, responsive to information received in the server from the enterprise application, the push content being deliverable from the server to the client device over a wireless network; and

receiving in the server from the client device, responsive to the push content, a request for additional information identifiable at least in part by the push content, the additional information being deliverable from the server to the client device over the wireless network

wherein the push content comprises at least one embedded uniform resource identifier (URI), and the additional information is identifiable by the at least one embedded URI.

(emphasis supplied)

Neither Pimentel nor Lee teach or suggest, alone or in combination, what claim 1 recites — namely, receiving registration information from a client device and in *response to a request* by an enterprise application, transmitting the registration information to the enterprise application, wherein the enterprise application periodically requests authentication information of client devices from the server.

For example, in accordance with claim 1, when a user wants to obtain some information from the enterprise information, he or she will register first. As claim 1 recites, the registration is a two-step process. First, the user submits the registration information to the server. And second, the enterprise application fetches this information from the server by periodically checking with the server to see if new registration information has been received by the server. In this way the invention defined by claim 1 avoids the establishment of a direct pipe, across the firewall, between the client device and the enterprise application *even for the purposes of registration*. Therefore, the present invention yields the benefit of increased security.

In contrast, Pimentel and Lee do not teach or suggest such an approach.

For these reasons, the applicants respectfully submit that the rejection of claim 1 is overcome.

Because claims 2-14 and 16-20 depend on claim 1, the applicants respectfully submit that the rejection of them is also overcome.

Claim 21, as amended, recites:

21. An apparatus for use in providing interaction between an enterprise application and a client device in a communication system, the apparatus comprising:

- a server having a processor coupled to a memory;
- the server being operative to generate push content, responsive to information received in the server from the enterprise application, the push content being deliverable from the server to the client device over a wireless network; and
- the server being further operative to:
 - receive a registration information from a client device at a server;
 - in response to a request by an enterprise application, transmit the registration information to the enterprise application,** wherein:
 - i. the enterprise application is separated by a firewall from the server, and
 - ii. the enterprise application periodically requests authentication information of client devices from the server;**
 - receive from the client device, responsive to the push content, a request for additional information identifiable at least in part by the push content, the additional information being deliverable from the server to the client device over the wireless network;
 - wherein the push content comprises at least one embedded uniform resource identifier (URI), and the additional information is identifiable by the at least one embedded URI.

(emphasis supplied)

For the same reasons as for claim 1, the applicants respectfully submit that the rejection of claim 21 is overcome.

Claim 22, as amended, recites:

22. An article of manufacture comprising a machine-readable storage medium containing software code for use in providing interaction between an enterprise application and a client device in a communication system, wherein the software code when executed implements the tasks of:

- receiving a registration information from a client device at a server;
- in response to a request by an enterprise application, transmitting the registration information to the enterprise application,** wherein:
 - i. the enterprise application is separated by a firewall from the server, and
 - ii. the enterprise application periodically requests authentication information of client devices from the server;**
- generating push content in server, responsive to information received in the server from the enterprise application, the push content being deliverable from the server to the client device over a wireless network; and
- receiving in the server from the client device, responsive to the push content, a request for additional information identifiable at least in part by the push content, the additional information being deliverable from the server to the client device over the wireless network;

(emphasis supplied)

For the same reasons as for claims 1 and 21, the applicants respectfully submit that the rejection of claim 22 is overcome.

Request for Reconsideration Pursuant to 37 C.F.R. 1.111

Having responded to each and every ground for objection and rejection in the last Office action, applicants respectfully request reconsideration of the instant application pursuant to 37 CFR 1.111 and request that the Examiner allow all of the pending claims and pass the application to issue.

If there are remaining issues, the applicants respectfully request that Examiner telephone the applicants' attorney so that those issues can be resolved as quickly as possible.

Respectfully,
Chou et al.

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